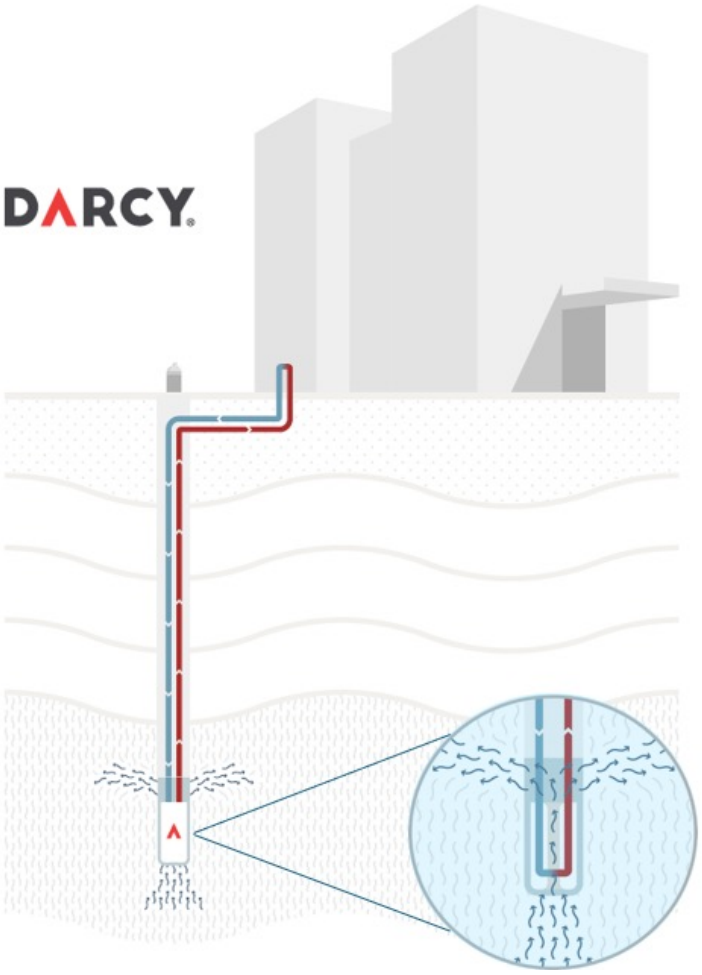
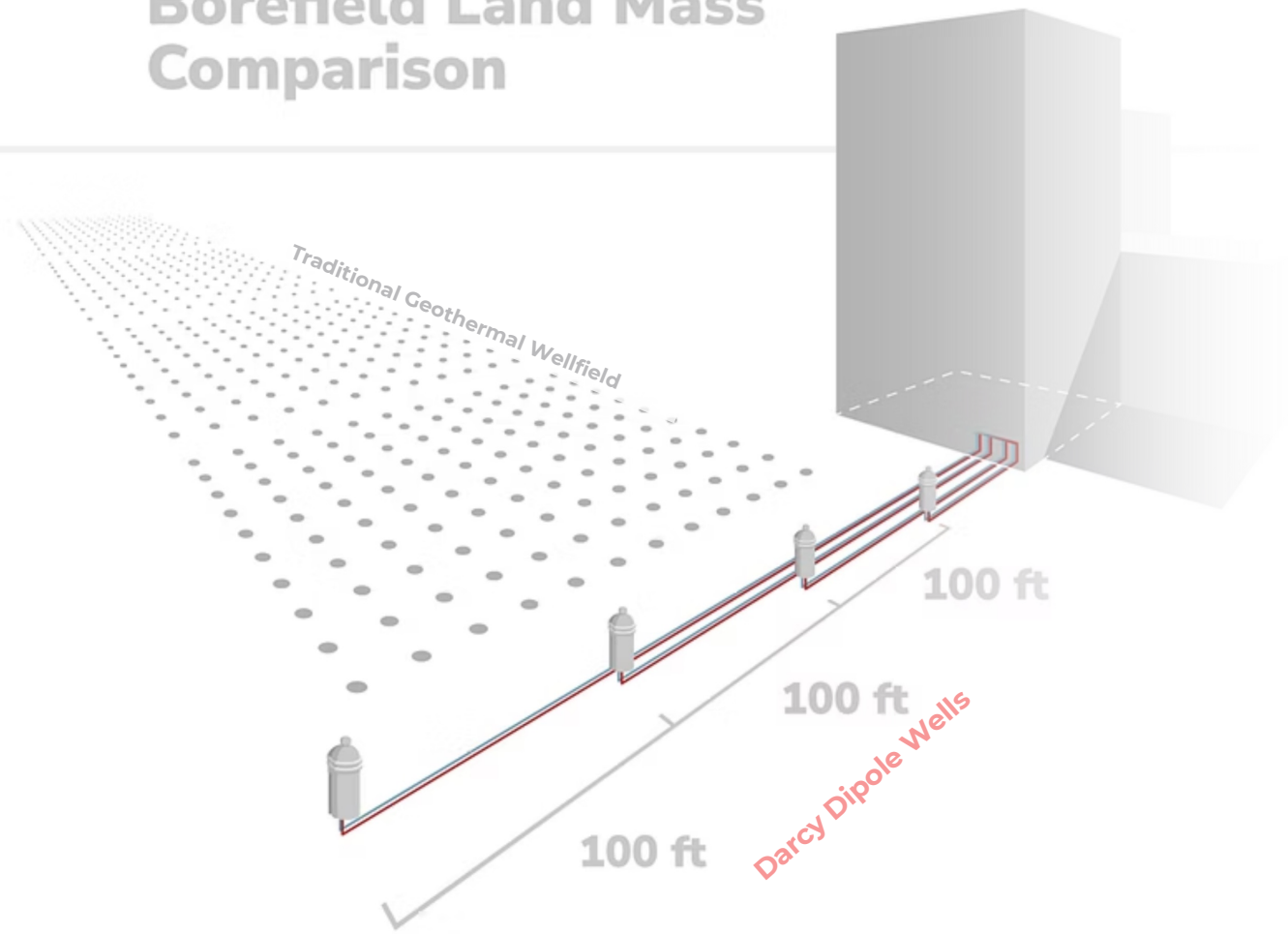


Groundwater-Coupled Geothermal: Technology that Works at Scale

- ✓ 99% Less Land Required
- ✓ 200x Capacity per Well
- ✓ Up to 80% Lower System Energy Use

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Borefield Land Mass Comparison



Currently up to:

200x Capacity per Well

Up to 99% Less Surface Footprint

Transformative Economics

Reduced drilling and installation costs combined with superior efficiency create compelling ROI to compete with conventional HVAC

Illustrative Example

A 250,000 sqft building would require ~2.5 acres of wells for a traditional geo system vs ~8 sqft for a Darcy system comprising 4 wells

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Minnesota State Emergency Operations Center (SEOC)

2
WELL SYSTEM

1,320
MBH HEATING DEMAND

150
TONS COOLING DEMAND

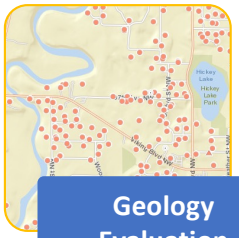




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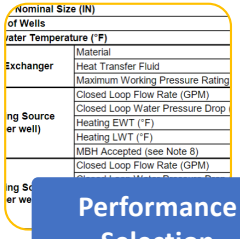
Project Evaluation & Contract Process



Geology Evaluation

- Provide Address
- Desktop Evaluation
- Target Aquifers
- Drilling Evaluation

5-10 Days



Performance Selection

- Metrics for Capacity from Geology
- Thermal Loads for Building(s)
- EWT / LWT
- Performance Selection

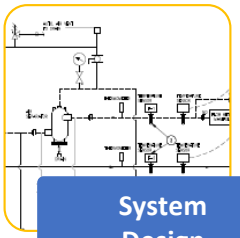
1-2 Days



Design Well RFQ

- Well Design
- Contractor Request for Quote
- Utility Locates
- Private Locates
- RFQ

2 Weeks



System Design

- Revise Expected Productivity
- Finalize Well Designs, Siting, & Routing
- Drawings, Sequence of Operations, Wiring Diagrams
- Engineering Review

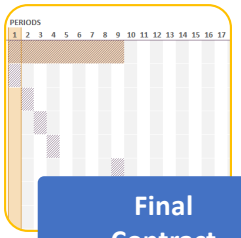
2-6 Weeks



Project Bid

- Final RFQ for Production Wells, Laterals
- Sub Selection
- Finalize Scopes & Scheduling
- Final Proposal

2-4 Weeks



Final Contract

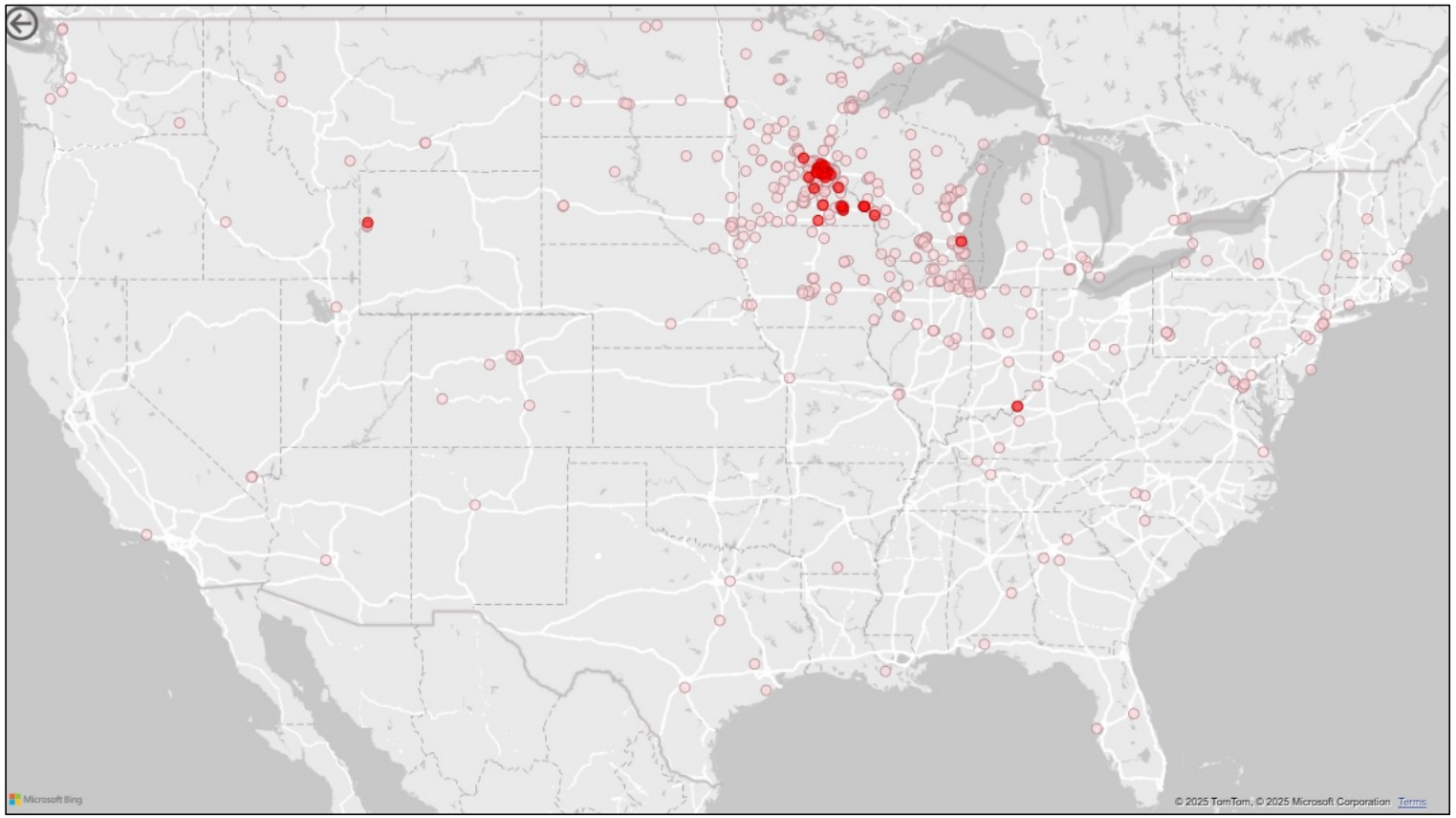
- Signed Contract
- Submittals
- Procurement
- Project Planning & Execution

1-2 Weeks

- These individual steps occur over the course of the overall project development timeline, typically spanning 6-24+ months. “Design Build” opportunities can move much faster due to lack of formality in bidding and responses.
- **Drilling backlogs are typically six months or more.** Talk to Darcy directly for specific project PO and mobilization times, which can vary regionally.

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73 Projects Installed or Under Contract

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